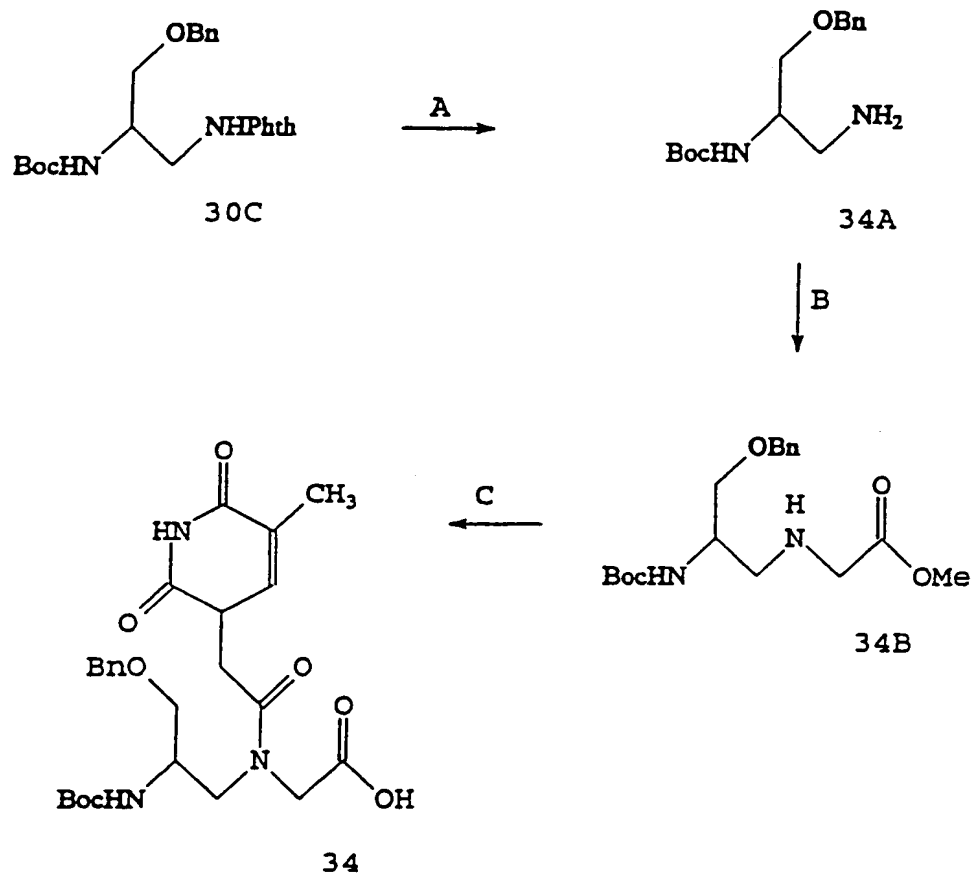


- A. Diazomethane, MeOH
 B. LiBH₄, MeOH
 C. PPh₃, Phthalimide, DEAD
 D. TFA, CH₂Cl₂, NaHCO₃, Methyl bromoacetate
 E. 1-Thyminylacetylchloride
 F. H₂NNH₂, Boc₂O, NaOH, MBHA Lys resin

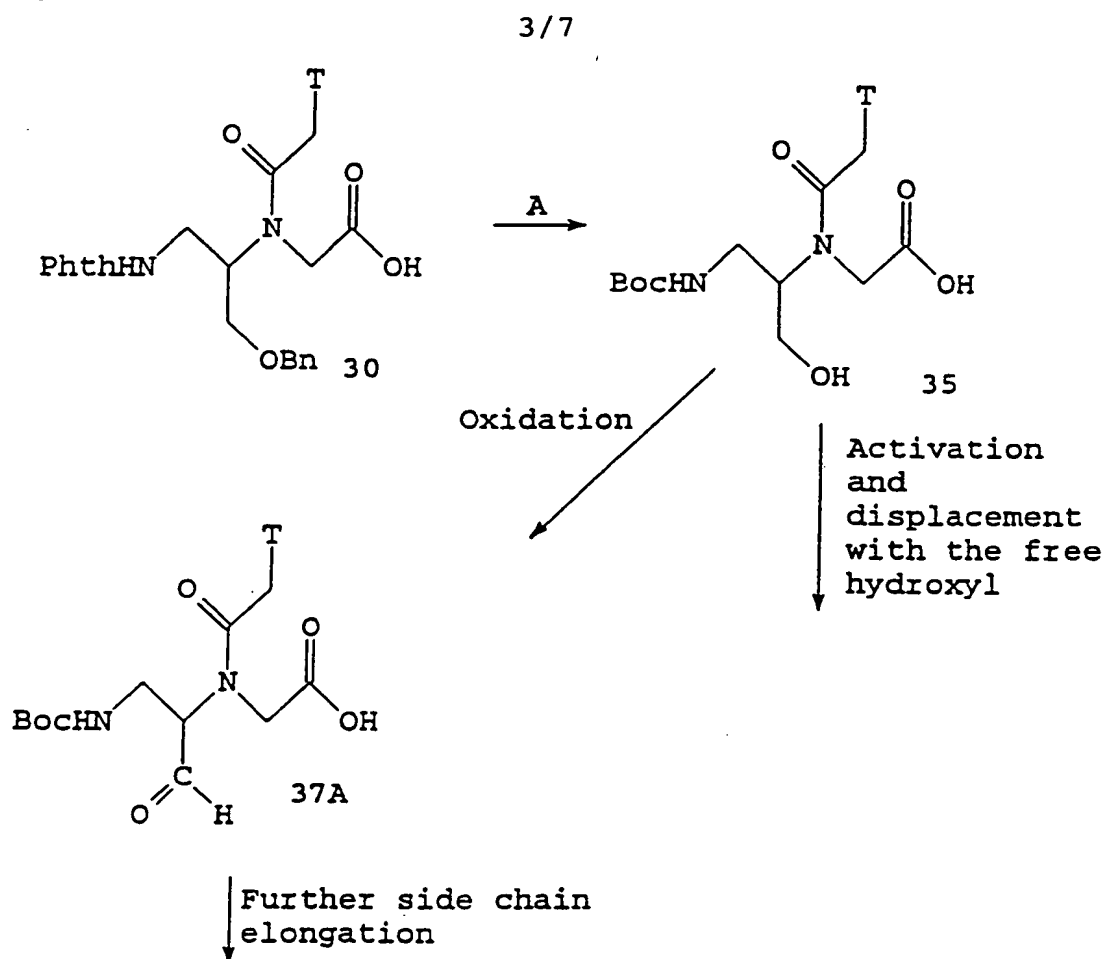
Figure 1

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- A. Hydrazine, Ethanol
B. Methyl bromoacetate
C. 1-Thymineylacetylchloride

Figure 2



A. H_2NNH_2 , $\text{Boc}_2\text{O}/\text{NaOH}$, $\text{LiBH}_4/\text{MeOH}$

Figure 3

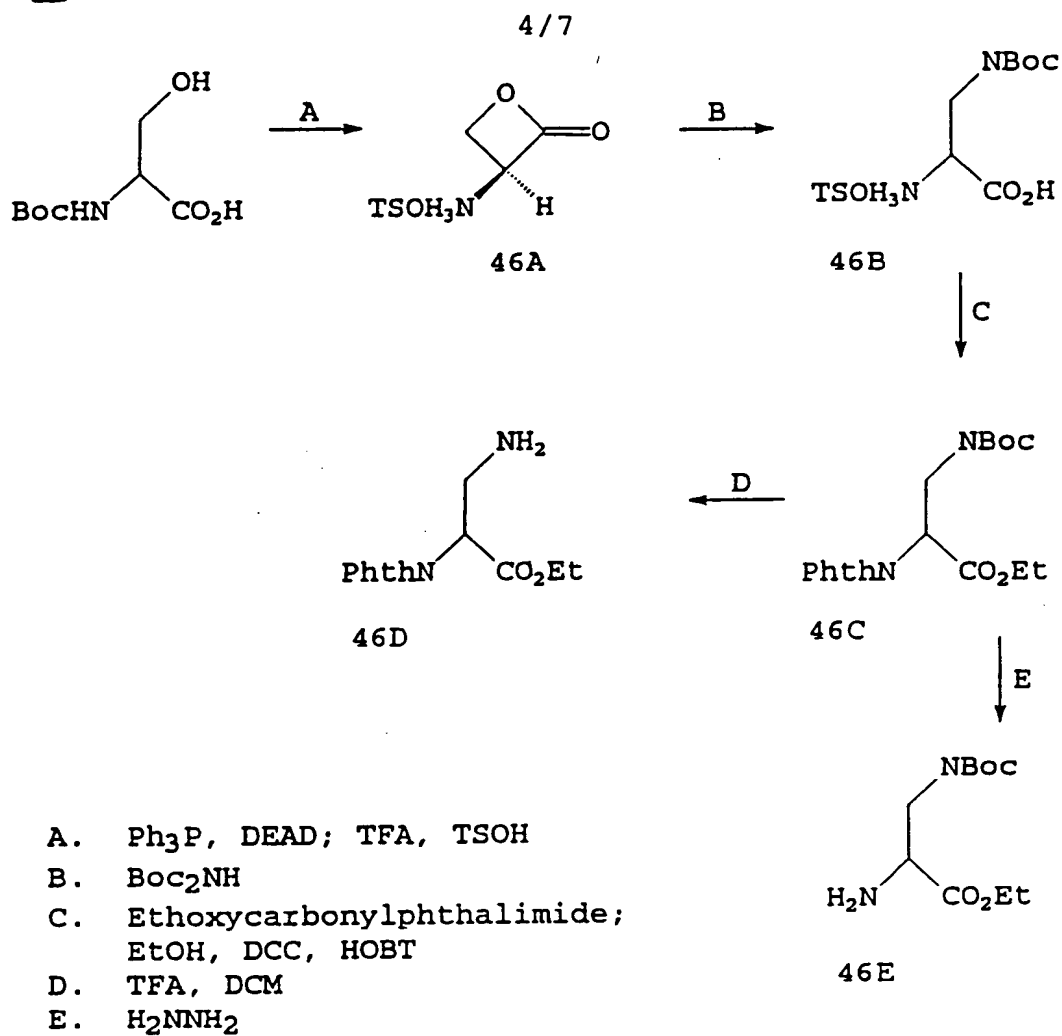
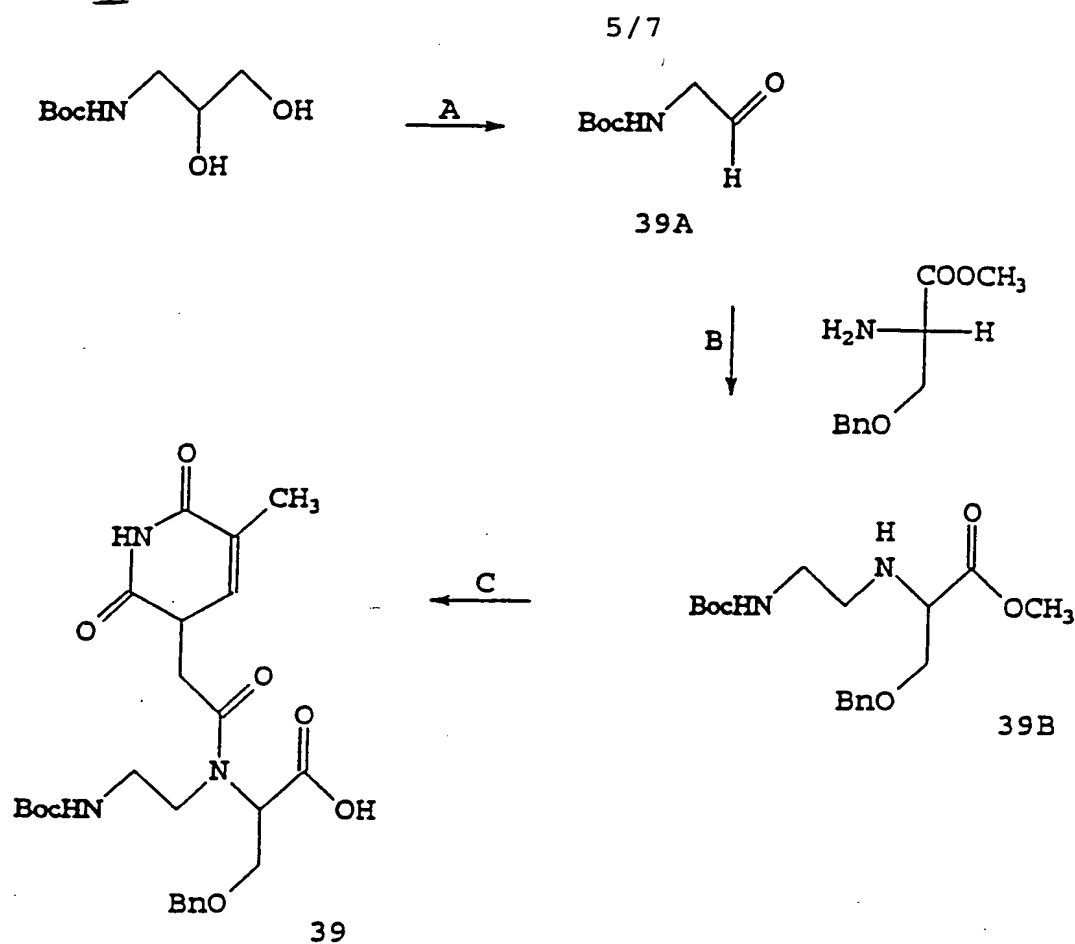


Figure 4



- A. Potassium m-periodate
B. Glacial acetic acid, Sodium triacetoxyborohydride
C. N-1-Carboxymethylthymine (Compound 3), 1N NaOH

Figure 5

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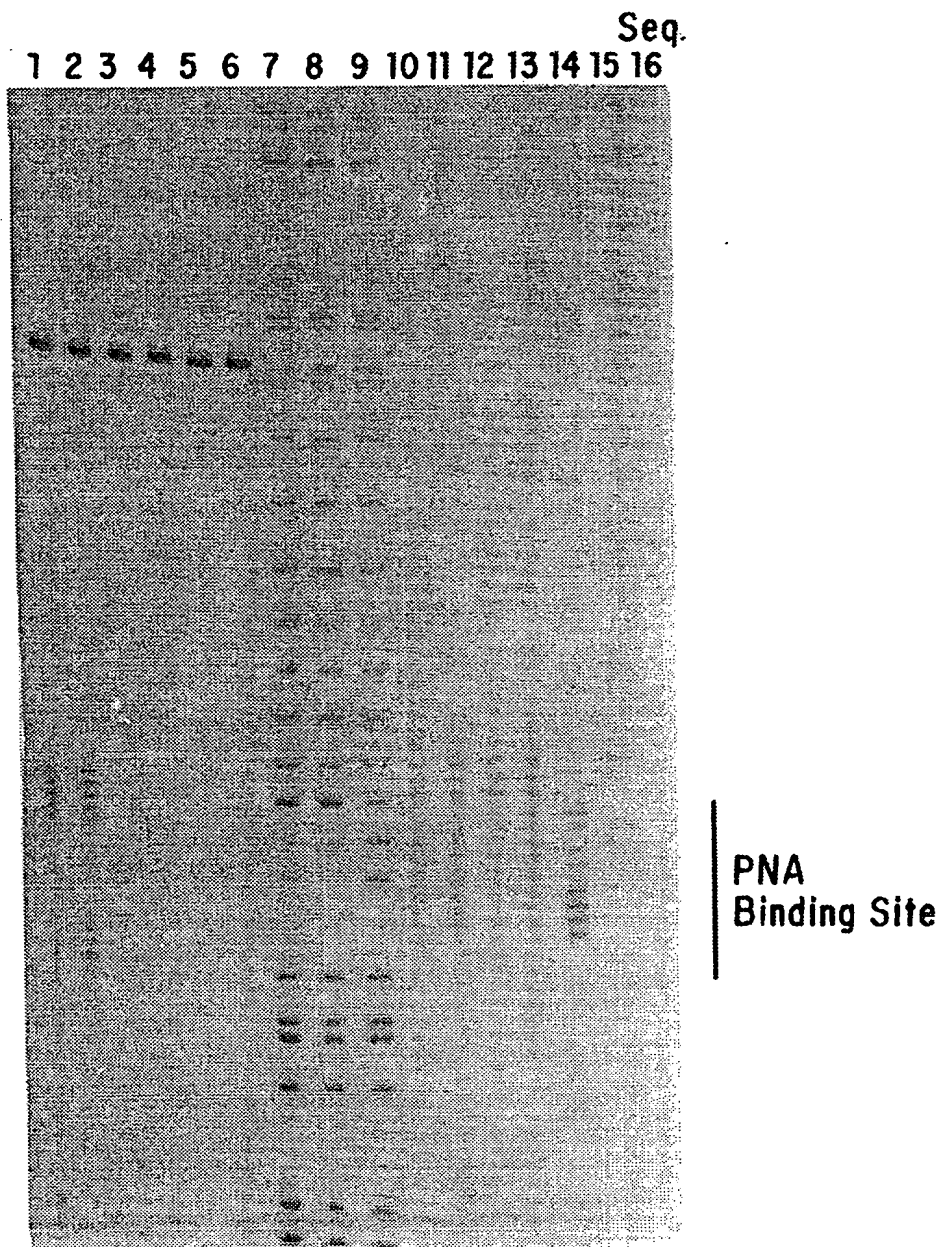
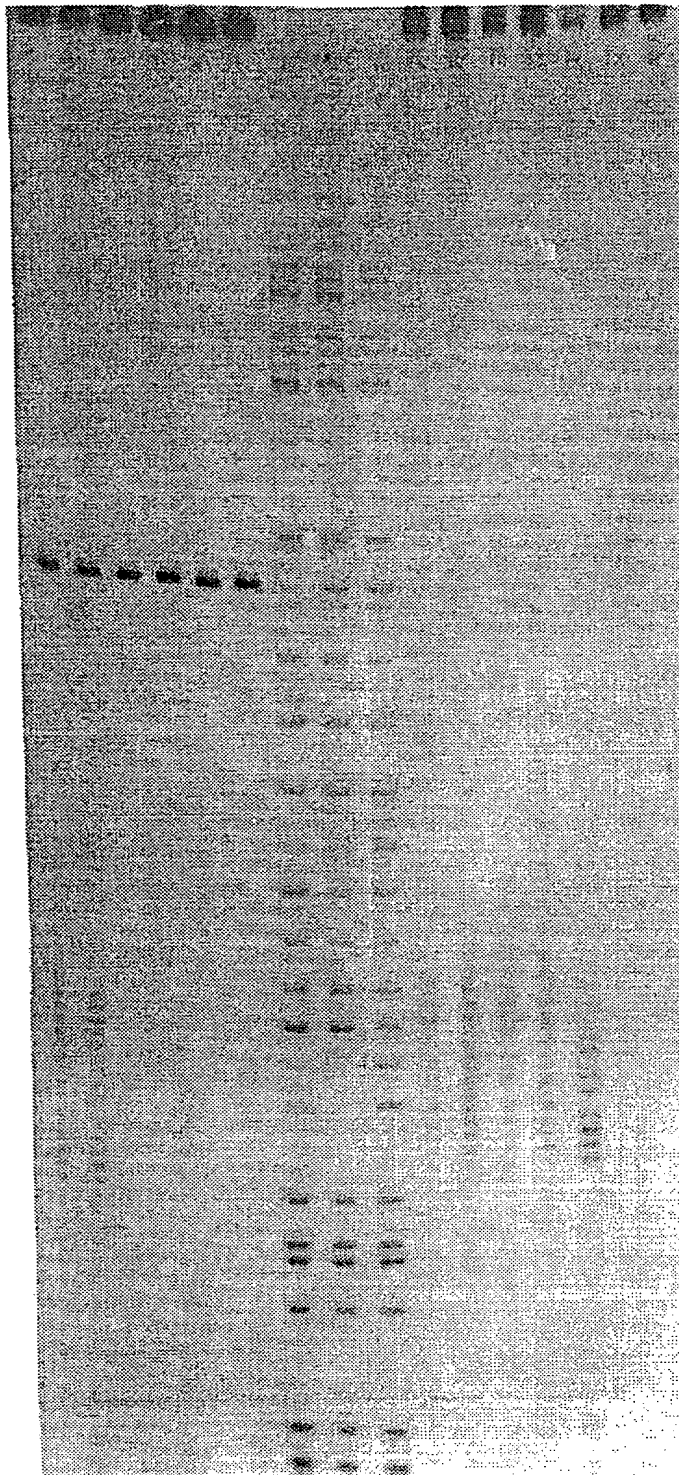


FIG. 6

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PNA	+	+	+	+	+	+	+	+	-	+	+	+	+	+	-	S
+EDTA-DTT			⊗	—			⊗	—						—		

DMS/KMnO₄



PNA
Target

FIG. 7